

$$CO = HR \times SV$$

$$5600\text{ml} = 80 \times 70\text{ml}$$

$$5.6\text{L}$$

$$HR = \frac{CO}{SV}$$

$$SV = \frac{CO}{HR}$$

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SELF-ASSESSMENT: RSPT 1060 – Module A-6

	FORMULA:	FIND:	SHOW YOUR WORK:
1.	$A \times B = C/D$	A	$(\frac{1}{B}) A \times B = \frac{C}{D} \times \frac{1}{B}$ $A = \frac{C}{D \times B}$
2.	$A \times B = C/D$	B	$A \times B = \frac{C}{D} (\frac{1}{A})$ $B = \frac{C}{D \times A}$ $C = \frac{A \times B}{D}$
3.	$A \times B = C/D$	C	$P \times \frac{A \times B}{P} = \frac{C}{D} \times \frac{P}{P}$ $\frac{A \times B \times D}{1} = C$ $C = A \times B \times D$
4.	$A \times B = C/D$	D	$\frac{A \times B}{1} = \frac{C}{D} \times \frac{D}{1} = \frac{1}{A \times B} \times \frac{C}{1}$ $D = \frac{C}{A \times B}$
5.	$A/B = C \times D$	A	

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5.	$A/B = C \times D$	A	$\frac{A}{B} = C \times D \quad (\times B)$ $A = C \times D \times B$
6.	$A/B = C \times D$	B	$\frac{A}{B} = C \times D \quad (\times B)$ $A = C \times D \times B$
7.	$A/B = C \times D$	C	$\frac{A}{B} = C \times D \quad (\times B)$ $A = C \times D \times B$
8.	$A/B = C \times D$	D	$\frac{A}{B} = C \times D \quad (\times B)$ $A = C \times D \times B$
9.	$A/B = C/D$	A	$\frac{A}{B} = \frac{C}{D} \quad (\times D)$ $A = \frac{C \times D}{B}$
10.	$A/B = C/D$	B	$\frac{A}{B} = \frac{C}{D} \quad (\times B)$ $A = \frac{C \times B}{D}$
11.	$A/B = C/D$	C	
12.	$A/B = C/D$	D	
13.	$A \times B = C \times D$	A	

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Self-Assessment A-6 [Compatibility Mode]

10	$A/B = C/D$	B	
11	$A/B = C/D$	C	
12	$A/B = C/D$	D	
13	$A \times B = C \times D$	A	$A = \frac{C \times D}{B}$
14	$A \times B = C \times D$	B	$B = \frac{C \times D}{A}$
15	$A \times B = C \times D$	C	$C = \frac{A \times B}{D}$
16	$A \times B = C \times D$	D	

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Notes - Module A-6 [Compatibility Mode] - Microsoft Word

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Self-Assessment A-6 [Compatibility Mode] Notes - Module A-6 [Compatibility Mode]

12 = D

2. Given: A = 5, B = 10, C = 4 Formula: $A/B = C/D$

a. Find: D = _____

$\frac{5}{10} = \frac{4}{x}$

$5x = 10 \cdot 4$

$5x = 40$

$x = \frac{40}{5} = 8$

$\frac{A}{B} = \frac{C}{D}$

$\frac{B}{A} = \frac{D}{C}$ (C) Invert the equation the get "D" on top

$\frac{C}{1} \times \frac{B}{A} = \frac{D}{C} = \frac{C}{1}$ Multiply both sides by "C"

$\frac{C \times B}{A} = D$

$\frac{4 \times 10}{5} = D = \frac{40}{5} = D = 8$ SOLVE

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